

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 255041

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address MACK ENERGY CORP P.O. Box 960 Artesia , NM 88211-0960		2. OGRID Number 13837
4. Property Code 322158		3. API Number 30-005-64316
5. Property Name DUNCAN STATE COM		6. Well No. 001H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	36	15S	28E		765	N	355	W	Chaves

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	24	15S	28E	M	1310	S	355	W	Chaves

9. Pool Information

ROUND TANK;SAN ANDRES	52770
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3576
16. Multiple N	17. Proposed Depth 8920	18. Formation San Andres	19. Contractor	20. Spud Date 11/1/2018
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	500	450	0
Int1	12.5	9.625	36	1500	725	0
Prod	8.75	7	26	3300	240	0
Prod	8.75	5.5	17	8920	1600	0

Casing/Cement Program: Additional Comments

Mack Energy proposed to drill a 17 1/2" hole to 500', run 13 3/8" csg/cmt. Drill 12 1/4" hole to 1500', run 9 5/8" csg/cmt. Drill 8 3/4" hole to 8920', run 7" & 5 1/2" csg/cmt. Put well on production.
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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: Printed Name: Electronically filed by Jerry Sherrell Title: Production Clerk Email Address: jerrys@mec.com Date: 7/19/2018	<p style="text-align: center;">OIL CONSERVATION DIVISION</p> Approved By: Raymond Podany Title: Geologist Approved Date: 7/24/2018 Expiration Date: 7/24/2020 Conditions of Approval Attached
Phone: 575-748-1288	

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
	52770	Round Tank; San Andres
⁴ Property Code	⁵ Property Name	⁶ Well Number
	DUNCAN STATE COM	1H
⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
13837	MACK ENERGY CORPORATION	3576.1

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	36	15 S	28 E		765	NORTH	355	WEST	CHAVES

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/ West line	County
M	24	15 S	28 E		1310	SOUTH	355	WEST	CHAVES

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
240			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>¹⁶ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature: <u>Deana Weaver</u> Date: _____</p> <p>Printed Name: <u>Deana Weaver</u></p> <p>E-mail Address: <u>dweaver@mec.com</u></p> <p>¹⁷ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>JUNE 20, 2018</p> <p>Date of Survey: _____</p> <p>Signature and Seal of Professional Surveyor: <u>FILIMON F. JARAMILLO</u></p> <p>Certificate Number: <u>12797</u></p> <p>SURVEY NO. 6318</p>
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Santa Fe, NM 87505

Form APD Comments

Permit 255041

PERMIT COMMENTS

Operator Name and Address: MACK ENERGY CORP [13837] P.O. Box 960 Artesia , NM 88211-0960		API Number: 30-005-64316
		Well: DUNCAN STATE COM #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 255041

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MACK ENERGY CORP [13837] P.O. Box 960 Artesia , NM 88211-0960		API Number: 30-005-64316
		Well: DUNCAN STATE COM #001H
OCD Reviewer	Condition	
rpodany	Will require a directional survey with the C-104	
rpodany	Cement is required to circulate on both surface and intermediate1 strings of casing	